

PS/O - 41/64
17 February 1964

MEMORANDUM FOR: Chief, Plans and Development Staff, NPIC

ATTENTION : [] 25X1
FROM : Chief, CIA/PID(NPIC) 25X1
SUBJECT : Evaluation of the [] Model LB-46
Microscope Base

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1. The [] Model LB-46 microscope base has been tested by PID PI's to determine its acceptability in place of the Bausch & Lomb bases ordered by PID on requisition #7063 dated 30 September 1963. The conclusions reached from this study are as follows:

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a. Advantages of the [] microscope base

- (1) more even illumination
- (2) rheostat on light source
- (3) toggle switch on light source - rapid & positive
- (4) larger stage plate

b. Disadvantages

- (1) base is too high, making viewing "awkward"
- (2) support column in a poor position
- (3) fixed viewing stage
- (4) difficulty in changing height of microscope and danger of slipping on support column

2. Conclusions:

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Rather than accept the [] base in its present state of development or wait for changes to be developed in it, PID would prefer to receive the standard B & L base on requisition #7063 as soon as possible. PID is, however, interested in the [] base and feels that it can become superior to the B & L with some modification.

Declass Review by NIMA/DOD

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3. Recommendations:

That the base be redesigned with the following considerations:

- (a) Height of the base be reduced.
- (b) The support column be mounted at the rear center of the base.
- (c) A "stop" or collar be provided to eliminate the chance of scope dropping onto viewing stage.
- (d) The viewing stage be divided in half with a separate rheostat for each side.
- (e) A viewing stage movable in X and Y. (May be considered as a separate, detachable item)
- (f) Increased illumination.

4. It is further recommended that future prototypes of basic PI gear be discussed with working PI's to ascertain desirable characteristics prior to fabrication.

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NPIC ROUTING SLIP

FROM:

ch/PID

DATE:

18 Feb. '64

	TO	INITIALS	DATE	REMARKS
DIR				
DEP/DIR				
EXEC/DIR				
ASST FOR ADMIN				
ASST FOR OPS				
ASST FOR PA				
ASST FOR P&D	<i>1</i>			
	<i>2</i>	25X1		
CH/CSD				
CH/PD				
CH/PSD				
CH/TID				
CH/CIA/PID				
CH/DIA/NPIC				
CH/SPAD				
LO/NSA				